

II. AMENDMENTS TO THE CLAIMS

1. (Currently Amended) Cover for sealing a container comprising:

at least one bottom layer and at least one top layer arranged over said bottom layer;

the bottom and top layer each comprising a structure to form a recloseable aperture of the cover and allowing access through the layers into the container; and

a movable layer arranged to be movable in a plane between the at least one bottom layer and the at least one top layer for closing an aperture in the bottom and top layer,

wherein the bottom and top layer are glued together by polymerization.

2. (Original) Cover of claim 1, wherein at least one of the said bottom layer and top layer comprises at least one of: a recloseable aperture, a flap, and a butterfly valve.

3. (Original) Cover of claim 2, wherein said flap or said butterfly valve is formed by a U-shaped cut in the layer.

4. (Original) Cover of claim 3, wherein a bending fold axis of said flap or butterfly valve of the at least one bottom layer is not arranged over a bending fold axis of said flap or butterfly valve of the at least one top layer.

5. (Previously Presented) Cover of claim 1, wherein at least one of the at least one bottom and the at least one top layer comprises a cross-shaped cut thereby forming a butterfly valve.

6. (Original) Cover of claim 5, wherein the cross-shaped cut of the at least one top layer is arranged with an offset of approximately 45° to the cross-shaped cut of the at least one bottom layer.

7. (Previously Presented) Cover of claim 1, wherein at least the top layer comprises a diaphragm-like recloseable aperture.

8. (Cancelled)

9. (Previously Presented) Cover of claim 1, wherein the bottom layer is laminated at least partly onto the top layer.
10. (Cancelled)
11. (Currently Amended) Cover of claim 1, wherein said movable layer is structured to form a sliding valve.
12. (Previously Presented) Cover of claim 1, wherein the movable layer comprises means for moving the movable layer for closing the aperture of the cover.
13. (Previously Presented) Cover of claim 1, wherein the cover comprises a seal arranged at least between the movable layer and the at least one bottom layer in the area of the recloseable aperture.
14. (Currently Amended) Cover of ~~claim 4~~claim 13, wherein the seal comprises at least one of the following materials: Teflon or a Teflon co-polymer, Silicone, PTFE.
15. (Previously Presented) Cover of claim 1, wherein the recloseable aperture is ring-shaped, elliptical or approximately rectangular.
16. (Previously Presented) Cover of claim 1, wherein at least one layer comprises polyimide or polyimide or polyester or liquid crystal polymer.
17. (Previously Presented) Cover of claim 1, wherein the top layer comprises an electrically conductive coating layer.
18. (Previously Presented) Cover of claim 1, wherein the top layer comprises a metal coating layer.
19. (Previously Presented) Cover of claim 1, wherein the cover thickness is smaller than 400 μm .
20. (Previously Presented) Cover of claim 1, wherein the recloseable aperture of the cover comprises an area smaller than 60 mm^2 .
21. (Previously Presented) Cover of claim 1, comprising a plurality of recloseable apertures for sealing a well plate, said well plate comprising a plurality of containers for a liquid.

22. (Original) Cover of claim 21, wherein the cover is glued onto the well plate.
23. (Previously Presented) Cover of claim 21, wherein the cover is welded onto the well plate.
24. (Previously Presented) Cover of claim 21, wherein the bottom layer of the cover is airtight connected to the well plate material around a container of the well plate.
25. (Currently Amended) Method of retrieving or filling a liquid in a well plate having a plurality of containers for liquids, the method comprising:

providing the well plate with a cover arranged on top of the well plate, said cover comprising at least one bottom layer and at least one top layer arranged over said bottom layer, the bottom and top layer each comprising a structure to form a plurality of recloseable apertures sealing the containers and allowing access through the layers into the containers, and a movable layer arranged between the at least one bottom layer and the at least one top layer for closing the apertures in the bottom and top layer, wherein the bottom and top layer are glued together by polymerization;

opening the recloseable aperture of at least one container of the well plate;

retrieving or filling the liquid from the opened container or into the opened container;

closing the opened aperture after retrieval or filling.

26. (Currently Amended) Cover for sealing a container, comprising:

at least two layers arranged over each other for sealing the container and being structured to form a recloseable aperture of the cover, wherein each layer comprises a structure allowing to access, when the structures overlap, through the layers into the container; and

a movable layer arranged to be movable in a plane between the at least two layers for closing the aperture of the cover,

wherein the at least two layers are glued together by polymerization.

27. (Currently Amended) Cover for sealing a container comprising:

at least one bottom layer and at least one top layer arranged over said bottom layer;

the bottom and top layer each comprising a recloseable aperture of the cover, arranged directly over each other and allowing access through the layers into the container; wherein a bending fold axis of each reclosable aperture is arranged on an opposite side of the cover;

a movable layer arranged to be movable in a plane between the at least one bottom layer and the at least one top layer for closing the apertures in the bottom and top layer.

wherein the bottom and top layer are glued together by polymerization.